

# Glass for generations

Our commitment to people, planet and responsible glass production

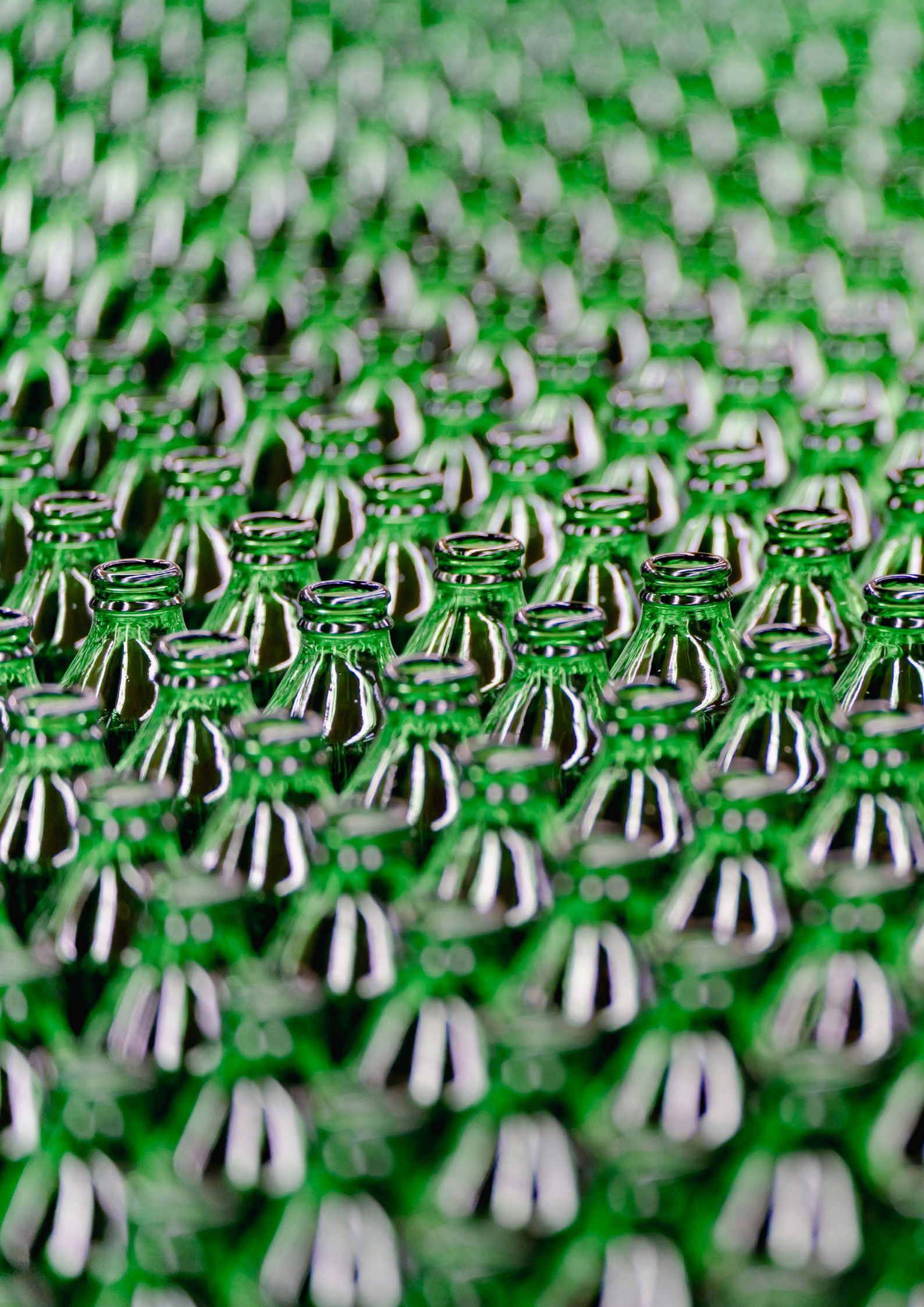


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CINER GLASS  
Lommel Plant

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# Built to deliver at scale

## About Ciner Glass - Lommel Plant

**At Ciner Glass, we have built a high-capacity glass facility in Lommel, Belgium, designed to reduce carbon intensity through efficient furnace design, cullet use, renewable electricity, heat recovery and optimised logistics, while working with local partners to protect and monitor the surrounding natural environment.**

As a long-established manufacturer embracing the next generation of glass production, we are using this expertise to build our new Belgian business responsibly. Here, we designed our operations from the ground up, as a state-of-the-art manufacturing facility that supports circular production, while also delivering shared value for both our customers and our local community from day one.

Because our facility has been designed for modern glass production from the ground up, we can optimise production in ways that older plants cannot, improving efficiency, reducing energy use, and acting as trusted long-term partners for leading players in the food and beverage sector across Europe.

We recognise that industrial performance, decarbonisation and social acceptance are inextricably linked.

Beyond innovative technical design and operational efficiency, realising the full potential of our Lommel plant depends on the strong relationships we foster with employees, customers, suppliers, stakeholders, regulators, neighbours, and the wider community. This mutual support and understanding underpins every aspect of how our site has been built and how it will be run.

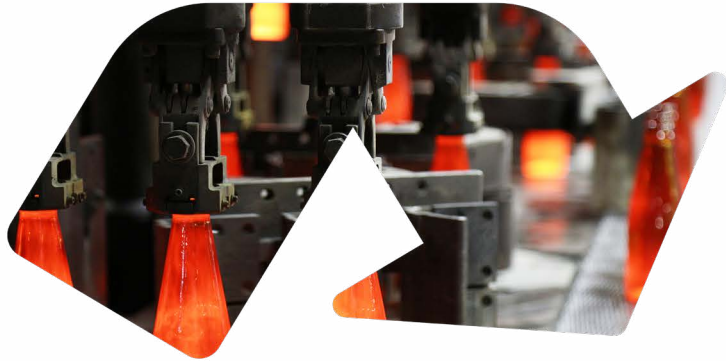
**At full capacity, we will be able to produce 6.5 million bottles per day.**

# Resource-efficient production at scale

Approximately

# 90%

of molten glass becomes  
finished product



**Less material.**  
**Same performance.**  
**Designed for lower CO<sub>2</sub>.**

We have one of the largest and most highly automated furnaces in Europe (\*), resulting in minimal waste and lower CO<sub>2</sub> emissions per bottle.

Our dedicated high-capacity furnaces are designed for continuous, large-scale production, delivering top-quality bottles with reduced environmental impacts - for example, approximately 90% of

molten glass becomes finished product.

Through lightweighting, we can reduce material usage, and therefore CO<sub>2</sub> emissions, while maintaining product strength and performance.

*\*Energy studies made in May and June 2025*

# Supporting **people & jobs**

# 480

employees in Q2 2026

# 90%

local hiring rate

# 1,000-1,500

indirect jobs in our supply chain



We are growing at pace, reaching a headcount of 480 employees in Q2 2026. We also support 1,000-1,500 indirect jobs in our supply chain.

90% of our total projected workforce will be Belgian, putting proof behind our promise to support our community through recruitment.

We were proud to have this inward investment recognised by Ciner Glass winning Foreign Investor of the Year in 2024 from Flanders Investment and Trade.

# Purpose-built for long-term performance

Built differently from the start

Frameworks and commitments supporting our approach



## By building on a **greenfield site**, we've been able to design our operations from the ground up, free from legacy constraints and focused on long-term performance.

From day one, sustainability has shaped how we operate: leveraging automation to deliver consistent, high-quality products at scale with minimal waste; locating close to key customers and transport routes to reduce emissions; and integrating sustainability across furnace design, energy, materials, water and logistics (including direct waterway access and future rail connectivity). The result is a facility built for lower-carbon, more circular glass production, meeting the needs of Europe's leading food and drink companies while integrating with the local environment.

Developed in close collaboration with regulators, local authorities and community stakeholders, this approach was underpinned by a transparent planning process, culminating in the successful granting of our environmental permit by the Province of Limburg in April 2025, with no objections raised.



A founding member of ResponsibleGlass, the global multi-stakeholder sustainability standards programme for glass.

An active participant in the UN Global Compact since October 2025, committed to its Ten Principles on human rights, labour, the environment and anti-corruption.

We are striving to secure ISO 14001 certification, an internationally recognised standard for Environmental Management Systems (EMS), amongst other systems certifications. We embrace the Sustainable Development Goals, certified as SDG pioneer.





# Evidence-led, with transparent assumptions

**Our approach to creating quality products designed to support lower-carbon production is grounded in evidence and transparent assumptions. The facility is designed to deliver consistent and reliable supply of products, while supporting customers' evolving sustainability expectations through practical, measurable actions.**

Progress is approached on a step-by-step basis, guided by structural efficiency, transparent data, and a focus on what works in practice – never prioritising short-term or cosmetic measures.

The performance claims we make are grounded in Ciner Glass's proven track record in the glass industry. Working with global sustainability consultancy ERM, we have undertaken a comprehensive programme of assessments aligned with leading best practice frameworks and standards, including the Equator Principles (EP4), the European Sustainability Reporting Standards (ESRS).

These assessments cover our key risk and impact areas –

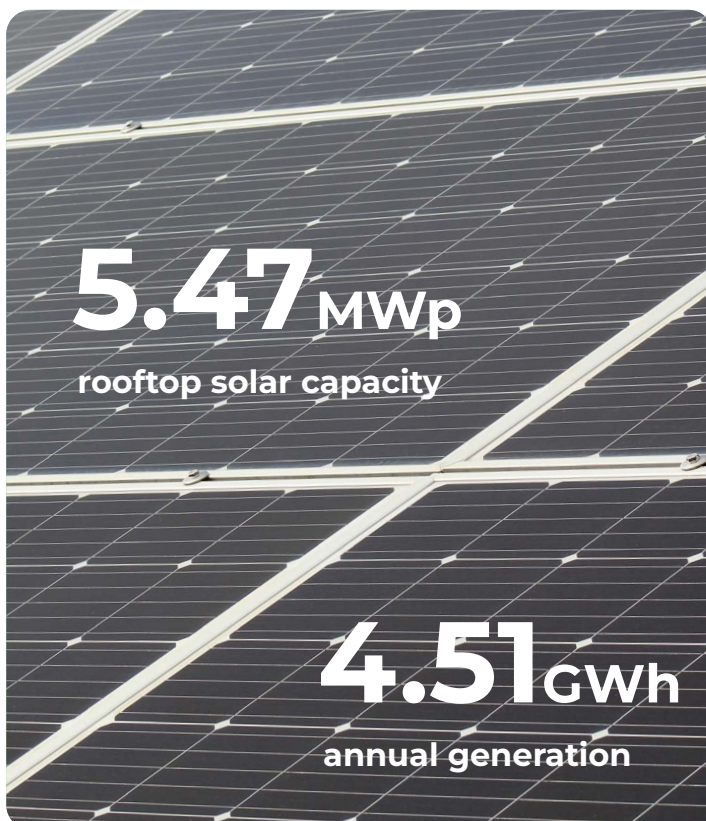
including climate and human rights – and include a Double Materiality Assessment, enabling us to identify and prioritise the sustainability topics most relevant to our business, stakeholders and customers.

This work informed the development of our Environmental and Social Management Plan and strengthened our broader environmental, social and governance management and strategy frameworks. Independent due diligence and audits have reviewed relevant policies, procedures and management plans against applicable international standards, supporting continuous improvement and transparency.

# Decarbonisation starts with design

**Sustainability is fully embedded into Ciner Glass's DNA.**

At Ciner Glass, decarbonisation is a priority for our Lommel operations. We recognise that this is also a growing priority for our customers, particularly across the food and beverage sector, where pressure to reduce Scope 3 emissions is intensifying. Our approach is therefore designed not only to reduce our own footprint, but to create practical, lower-carbon solutions that support customers across their value chains.



Achieving lower-carbon glass starts with how it is designed and produced. Our state-of-the-art Lommel facility has been designed to capitalise on the most impactful levers available in glass packaging today, including enabling higher cullet usage where technically appropriate, supporting lightweighting, and optimising energy efficiency per tonne of glass.



Glass manufacturing is energy-intensive, so reducing direct and energy-related emissions is a priority. The site has been designed to reduce Scope 1 emissions intensity through energy-efficient furnace technologies, increased cullet use and process optimisation.

### **We will further invest in green electricity towards 2026/2027**

Scope 2 emissions are addressed through our investment in renewable and efficient energy solutions, including **5.47MWp of rooftop solar capacity expected**

**to generate around 4.51 GWh annually. We are also evaluating further renewable electricity procurement for 2026/2027, while using heat-recovery systems to improve overall energy efficiency.**

By building flexibility and efficiency into the site from day one, we aim to limit operational emissions from the outset and enable further reductions as technologies, operational performance and customer requirements evolve.

For our customers in the food and beverage sector, packaging can be

a significant contributor to value chain emissions. By embedding lower-carbon design into our operations from the outset, we are able to provide practical solutions that support their decarbonisation goals – through energy-efficient production, reduced material use, and optimised logistics across the value chain.

As leaders in our field, we know that glass packaging is a significant material contributor to environmental emissions, and we therefore see a clear role for us in driving the practical and meaningful reduction in our industry's footprint.

A glowing orange glass bottle is being held by a mechanical gripper in a factory setting. The bottle is bright orange and appears to be made of molten glass. The gripper is a complex mechanical device with multiple joints and a central opening. The background is a blurred industrial environment with various metal structures and machinery.

**Efficiency  
built into  
the furnace**



At the heart of our site are two large-scale furnaces, among the largest in Europe. Design-stage benchmarking indicates that they rank within the top 10% under the study assumptions, supporting energy-efficient production and lower operational emissions (\*).

**Less virgin raw material.**  
**Less energy.**  
**Higher efficiency.**  
**Lower CO<sub>2</sub> intensity.**

When compared to retrofitted or outdated production facilities, the high levels of utilisation and automation incorporated into the Lommel plant's process ensures less waste is created throughout. This sets the business apart when compared with older production facilities, a newly designed site provides opportunities to embed efficiency and emissions-reduction measures from the outset.

Up to

**35%**

of furnace energy  
is supported by  
electric boosting.

One of the top

**10%**

most energy-  
efficient installations  
in the benchmark  
analysis. According  
to the independent  
energy study (\*).

Approximately

**90%**

of molten glass  
is converted into  
finished product,  
minimising waste and  
unnecessary emissions.

*\*Energy studies made in May and June 2025*

# Circular glass in practice



**Circularity plays a central role in how resources are managed across our end-to-end operations. High material efficiency, water reuse within production processes, and heat recovery within the facility, all contribute to reducing waste and improving overall resource performance.**

We locally source our raw materials as much as possible, including the sand sourced only 7km away from our site and cullet (recycled glass), partially sourced only 20 km away, which reduces transportation emissions. Through using cullet itself and relying on recycled glass, we reduce the energy demand required for bottle production, cut raw material usage and lower emissions overall.

Our location also places us close to key food and beverage customers across Belgium, France, the Netherlands and Germany, helping to reduce transport distances and lower our customers' Scope 3 emissions.

Ciner Glass recognises that circularity must balance ambition with quality. High cullet use is pursued carefully and responsibly, ensuring that product integrity and customer requirements are always met.

Flint glass will initially be produced without external cullet. We plan to increase its cullet content progressively, subject to the availability of colour-compatible cullet and

product-quality requirements. Over time and following annual reviews, we will be looking to increase the cullet use to +70%, significantly improving our emissions levels.

This will ensure we are aligned with our customer's priorities, supporting their circular packaging goals and supporting customers' circular packaging and Scope 3 reduction goals.

## Using cullet to reduce energy demand

Our enhanced use of cullet results in significant improvements in energy efficiency at our facility and reduces indirect fossil fuel and natural gas consumption. In addition, post-consumer glass waste is collected and processed at external cullet facilities, turning it into reusable recycled glass. Using this material in place of virgin raw materials

minimises the environmental impact of our operations. The direct energy and emissions benefit of cullet is explicitly tracked - each 10% increase in cullet rate delivers approximately 2–3% energy savings (\*).

## Optimised sand and soda ash supply chain

Natural soda ash is used as part of our Lommel plant's glass batch, serving as a lower-carbon

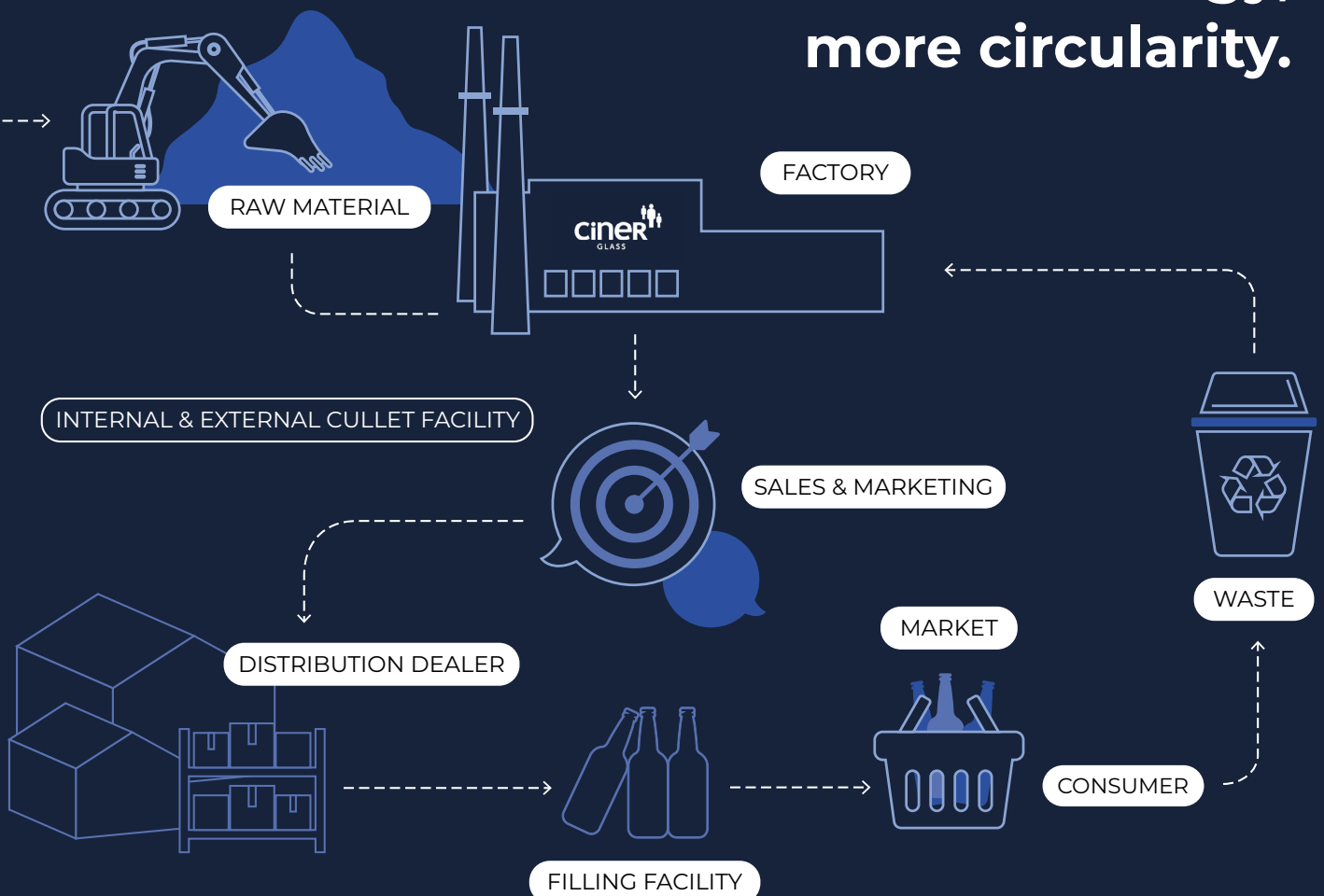
alternative when compared to synthetic iterations used by competitors.

It typically has a cradle-to-gate carbon footprint of around 0.3–0.5 tCO<sub>2</sub>e per tonne, compared to approximately 0.8–1.2 tCO<sub>2</sub>e per tonne for conventional synthetic soda ash, helping reduce the embedded emissions of glass production while maintaining performance and quality (\*\*).

\* Energy studies made in May and June 2025

\*\* Cullet Quality: The Hidden Key to Efficient Glass Production - Glass Manufacturing Industry Council

# Less energy, more circularity.



# Lightweighting for lower impact

**Lightweighting, the process of reducing the weight of a product or component without compromising its strength, safety, or overall performance, offers one of the most immediate opportunities for carbon reduction.**

At our Lommel plant we enable this through high precision manufacturing and production at scale. Ultimately, lightweighting means the production and use of less material – and thus the production of significantly lower emissions.

We can also act as trusted partners for our European food and beverage customers, supporting the reduction of their bottle weights without compromising on performance or quality, positively contributing to reductions in their scope 3 emissions.

We bring deep, proven expertise in glass manufacturing and lightweighting processes, working closely with customers to apply this know-how through advanced, high-performance production facilities and tailored solutions that optimise both product quality and efficiency.



**Less material.**  
**Lower emissions.**  
**Same performance.**

# CO<sub>2</sub>

reduction

By removing  
**5 grams** from each bottle  
without compromising quality.

Saving

**6,000,000  
kg glass**

across 1.2 billion glass bottles annually

A potential of

**– 1,800,000**

kg CO<sub>2</sub> reduction

lightweighting these bottles

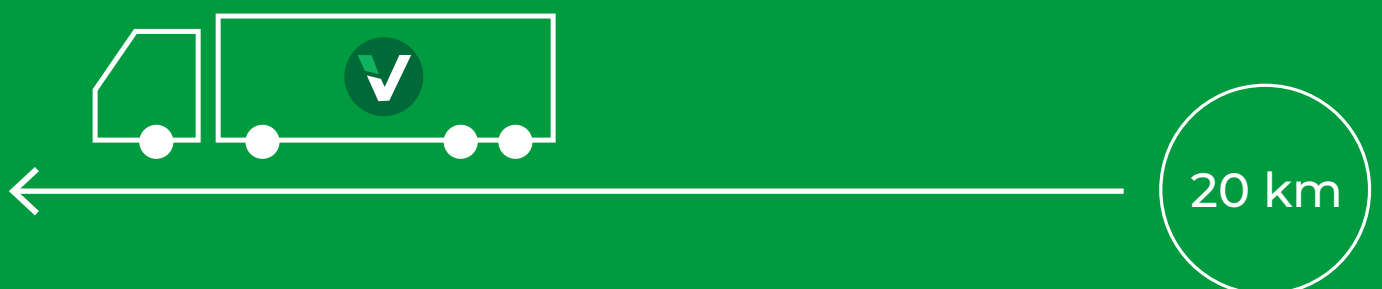
# Local footprint

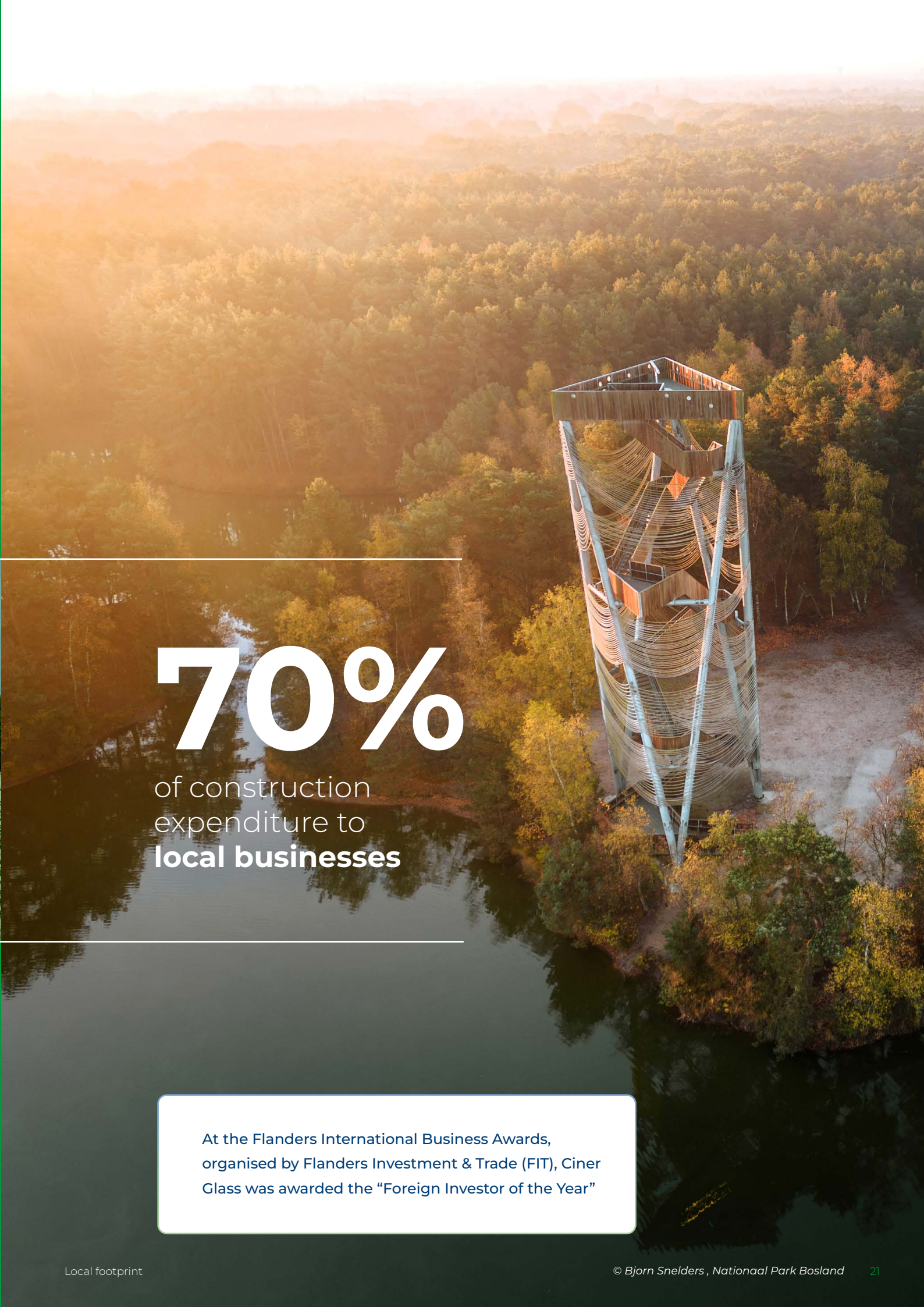
A project of this scale provides a tremendous economic boost to the region. We allocate 70% of our construction expenditure to local businesses in Belgium and the Netherlands.

We source raw materials locally

and are highly transport-efficient. For example, all of our silica sand and some of our cullet will be sourced from locations within 20 km of our site. Our production facility is located near multiple major European customers -

brewers and food producers - so transport emissions can be kept low. To protect biodiversity, we have formed partnerships with nature conservation organisations to monitor the nature reserve close to our site.





# 70%

of construction  
expenditure to  
**local businesses**

At the Flanders International Business Awards,  
organised by Flanders Investment & Trade (FIT), Ciner  
Glass was awarded the “Foreign Investor of the Year”



# Biodiversity

**A Biodiversity Action Plan is in place to safeguard a recognised Critical Habitat, home to rare and endangered species.**

Our approach targets long-term net gain, supporting species such as the grayling and ladybird spider through habitat restoration, new green zones (by 2027–28), and adaptive monitoring.

Delivered in partnership with ANB (the Flemish Agency for Nature and Forest) and Natuurpunt, this is backed by a 24-year restoration plan, ensuring measurable, lasting impact for biodiversity in Flanders.



© Davy Paulus, Natuurpunt Lommel

# Archaeology



Leading Leuven professor of archaeology, Bart Vanmontfort, commenting in Belgian newspaper HBVL: *“Thanks to excellent collaboration with our partners, such as Kristalpark and building contractor Ciner Glass, we have been able to work in great detail, giving us a clear picture.”*

**We put heritage first by embedding archaeological investigations from the outset and shaping our construction around them.**

Through close collaboration and flexible planning, we safeguarded the site's history at every stage, setting a strong example of responsible, community-minded development.



# Talent & workforce

As part of our training programme roll-out, we have collaborated with local schools and training institutions, helping to upskill the next generation of *Flesseniers*, our glass-manufacturing experts, at pace.

We are committed to upholding the highest workplace standards, with a focus on ensuring safety and fostering a positive culture that facilitates prosperous, long-term careers.

Supporting

1,000-1,500

indirect jobs in the local community

Exhibiting significant  
workforce growth

○ → 480  
in two years' time

90%

Belgian workforce

4% Turkish

4% Dutch

2% other nationalities represented



# The people behind the glass



**‘Flessengeluk’** (bottle happiness): the feeling you get when you’re part of something beautiful and tangible. Also: the lucky last drop of a bottle – you get to make a wish.

**Flesseniers:** Our cohort of skilled glass bottle specialists pioneering their craft.

## Our glass is created by people and people create trust.

At the core of our Lommel plant’s identity are our “Flesseniers”.

Taken from the Belgian tradition of *Flessengeluk*, the name refers to our workforce of trusted expert bottle-makers and glassblowers spanning engineers, operators, and technicians who imbue craft and exhibit pride in all our products.

This ethos underpinned Ciner Glass’s dedicated local recruitment campaign, which saw significant investment from the business in the pursuit of long-term capability and job opportunities sourced in the region. As of Q2 2026, we

are proud to have recruited 480 flesseniers. As operations continue to scale up, the workforce will gradually expand to around 500 employees when the facility reaches full operational capacity.

We will continue to invest in attracting, training, upskilling, and retaining our employees in a programme which we delivered at an unprecedented scale for the region. We are on track for our workforce to comprise over 90% Belgian nationals, reflecting our commitment to creating local employment and supporting the regional economy.

Example from our local recruitment campaign in Belgium.

A woman with shoulder-length blonde hair, wearing a white polo shirt, is looking upwards and to the right with a slight smile. The background is a blurred industrial setting with glass panels and metal structures.

# KLAAR VOOR EEN CARRIÈRE VOL *FLESSENGELUK*?

Word *flessenier* bij  
Ciner Glass in Lommel!

Solliciteer nu op [jobs.cinerglass.be](https://jobs.cinerglass.be)

**ciner**  
GLASS



# Proud to make glass here

**We've shaped our project through early, ongoing dialogue with the Lommel community, listening to concerns from labour market pressures to impacts on local businesses, addressing any concerns openly. Schools, sports clubs, businesses, and nature organisations all have clear channels to share feedback.**



Through close collaboration with local stakeholders, public authorities, elected representatives, and partners, we've strengthened local capability and secured the widespread sharing of our business's benefits. By openly discussing both progress and challenges, from logistics to decarbonisation, we're building a business rooted in trust, reliability, and a long-term commitment to

the region.

Crucially, we are a glass supplier that understands the realities of decarbonisation. We are equipped to support prominent businesses in the food and beverage industry through reliable operations, transparent engagement and sustained commitment – values best reflected in our local engagement strategy.





# Growing with the region

**Beyond engaging with local stakeholders around our development programme, we have invested significantly in the local community, with the aim to anchor the project into the surrounding ecosystem for the long-term.**

**We champion local sports groups and youth teams via sponsorship.**

In June 2025, we renewed our shirt sponsorship of the first team for the Lommel SK football club for two more seasons.

**We are an active participant in public events, including**

the Sahara City Run in Lommel where, in April 2025, we supported runners, encouraged our employees to take part, and created a dedicated photo booth to capture memories of the day.

**We are proud collaborators with a host of organisations,** including local suppliers, NGOs, and schools. Ciner Glass is the main sponsor of the Lommel SK Youth Academy, and we regularly pursue speaking opportunities and engagements.

**We don't just promote our investment; we champion the region.** As one of the largest investments in Flanders in recent decades, our project brings visibility, opportunity and momentum to Lommel and beyond. With that scale comes responsibility: to work closely with public authorities and local partners, and to contribute to the region's long-term prosperity.



Example from our local recruitment campaign in Belgium.



# A region full of “bottle happiness”



This concept was rewarded with the 2025 Marketing Award from the Voka - Chamber of Commerce Limburg.

In addition to our local contributions, our central and overarching brand identity is inextricably linked to our pride not only in our craft, but in the region itself and the positive impact we are making here.

This sense of pride fed into the development of our **2025 employer branding campaign, built around the concepts of “bottle happiness” and “bottle specialists”**.

In this we highlight both the opportunities at Ciner Glass and the wider opportunities offered by the region.



A region full of bottle happiness

